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इस भाग में, भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 24th December 1983

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#### CORRIGENDUM

(1)

In the Gazette of India, Part III, Section 2 dated the 2nd  
July 1983 under the heading "PATENTS SEALED" delete  
150591.

(785)

## CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated the 21st May, 1983 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 333, column 2, against No. 151569—

for Inventors : GHANSHYAM ANUBHAI GANDHI  
AND 2. KULDIP CHANDRAVADAN SHODAN

Read Inventors : GHANSHYAM ANUBHAI GANDHI  
AND 2. KULDIP CHANDRAVADAN SHODHAN

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed  
under section 135, of the Act.

17th November, 1983

1411/Cal/83. Energy Conversion Devices, Inc. A method  
of making an improved photoresponsive amor-  
phous alloy and an improved photo-responsive  
device. [7th September, 1981].

1412/Cal/83. Syntax Corporation. Process for the separa-  
tion of substantially pure D-2-(6-Methoxy-2-  
Naphthyl) propionic acid. [4th July, 1980].

1413/Cal/83. Arthur Leon Serge Ladriere. Improvements  
to solar collectors.

18th November, 1983.

1414/Cal/83. Gould Inc. Sealed Nickel-zinc cell.

1415/Cal/83. Reckitt & Colman of India Limited. Process  
to preparation of monoalkoxy phenols by vapour  
phase.

1416/Cal/83. Reckitt & Colman of India Limited. Improved  
process for the preparation of 5-diethylamino  
pentan-2-one.

1417/Cal/83. Reckitt & Colman of India Limited. Process  
for the preparation of mitroimidazole.

1418/Cal/83. Reckitt & Colman of India Limited. Improved  
process for the preparation of 3-ethoxy-4-hydroxy  
phenyl trichloro methyl carbinol.

1419/Cal/83. Reckitt & Colman of India Limited. Process  
for preparing a catalyst system for use in pre-  
paring monoalkoxy phenols.

1420/Cal/83. Reckitt & Colman of India Limited. Process  
for the preparation of 3-methoxy-4-hydroxy ben-  
zaldehyde.

1421/Cal/83. Reckitt & Colman of India Limited. Improve-  
ments in or relating to process for the preparation  
of 5-diethylamino pentan-2-one.

1422/Cal/83. Reckitt & Colman of India Limited. A pro-  
cess for the preparation of alkyl- $\alpha$ -carbethoxy-  
 $\beta$ -(arylamino) acrylates.

1423/Cal/83. Reckitt & Colman of India Limited. Process  
for the preparation of 3-ethoxy-4-hydroxy ben-  
zaldehyde.

1424/Cal/83. The Dow Chemical Company. Use of qua-  
ternized polyalkylane polyamines as demulsifiers.

1425/Cal/83. Sumitomo Heavy Industries Ltd. Waste gas  
circulation method and system for sintering appa-  
ratus.

19th November, 1983.

1426/Cal/83. Satake Engineering Co. Ltd. Grain handling  
system.

1427/Cal/83. W.L. Gore & Associates, Inc. Elastomeric  
waterproof laminate.

1428/Cal/83. W. L. Gore & Associates, Inc. Polytetra-  
fluoroethylene laminate for footwear articles.

1429/Cal/83. Arvind Harjivandas Mistry. Apparatus for  
vapour bath.

21st November, 1983

1430/Cal/83. Societe Des Electrodes Et Refractaires Savoie  
(sers). Refractory products formed grains bound  
by carbon residues and metal silicon in powder  
form and process for the production thereof.

1431/Cal/83. Gould Inc. Sealed nickel-zinc battery.

1432/Cal/83. Pravin Chandra Chitnla. Internal combus-  
tion rotary engine.

1433/Cal/83. Chen Jin Shan. Novel writing kit.

1434/Cal/83. Fives-cill Babcock. Heat exchanger for ther-  
mally treating a pulverulent material.

1435/Cal/83. Monsanto Company. Process for the prepa-  
ration of 2-haloacetamides. [18th March, 1981].

1436/Cal/83. Monsanto Company. Process for the prepa-  
ration of 2-haloacetamides. [18th March, 1981].

1437/Cal/83. Alvin J. Conner. A method of inhibiting  
corrosion. [16th May, 1980].

22nd November, 1983

1438/Cal/83. Lucas Industries Public Limited Company.  
Permanent magnet rotary dynamo electric  
machine. (22nd November, 1983).

1439/Cal/83. SKF Steel Engineering AB. Means for elec-  
trically heating gases.

23rd November, 1983.

1440/Cal/83. Hinckleys Moulding Materials Limited. Ap-  
paratus for introducing substances into liquids  
e.g. metal melts. (23rd November, 1982, 21st  
April, 1983, 1st June, 1983).

1441/Cal/83. The Babcock & Wilcox Company. Sulfito  
digester rate of delignification system.

1442/Cal/83. Serge Ladriere. Improvements to Projectiles  
Intended to be fired by a fire-arm.

1443/Cal/83. Agromachines Ltd. A peeler.

1444/Cal/83. Agromachines Ltd. A grater.

1445/Cal/83. Barr & Stroud Limited. Infrared objective lens  
assembly. (23rd November, 1982).

1446/Cal/83. Frank Brian Mercer. Strengthening a matrix.

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FLOOR, KAROL BAGH, NEW DELHI-5.

13th October, 1983

702/Del/83. Maschinenfabrik Reinhausen Gebrüder Scheu-  
beck GMBH & Co. KG. "Tap selector for a  
tapped transformer".

19th October, 1983

703/Del/83. Aeci Limited, "A method and means for mak-  
ing an explosive in the form of an emulsion".

704/Del/83. Walther & Cie Aktiengesellschaft, "Supply cir-  
cuit for electrostatic dust separator".

20th October, 1983

705/Del/83. The B.F. Goodrich Company, "Stabilization of vinyl chloride polymers".

706/Del/83. Duracell International Inc., "Seal for electrochemical cell".

21st October, 1983

707/Del/83. Bakhtawarlal Sood, "Rinki bobbin".

708/Del/83. Bakhtawarlal Sood, "Bullock-harvester".

709/Del/83. Cummins Engine Company, Inc., "Exhaust braking valve". (October 23, 1982).

710/Del/83. Armco Inc., "Local annealing treatment for cube-on-edge grain oriented silicon steel".

711/Del/83. Armco Inc., "Local heat treatment of electrical steel".

712/Del/83. Armco Inc., "Radio frequency induction heating device".

24th October, 1983

713/Del/83. Ringfeder GmbH, "Traction and buffer device, in particular for centre-buffer-couplings of railway vehicles".

26th October, 1983

714/Del/83. Michael John Pook, "A sealing ring for imparting a sealing between two fluid conveying pipes".

715/Del/83. Michael John Pook, "A sealing ring for imparting a sealing between two fluid conveying pipes".

716/Del/83. Herilal Chablani, "A sprinkler".

717/Del/83. Jan Delersjo, "Method at underwater jointing and repair of pipelines".

27th October, 1983

718/Del/83. Jagdish Chandra Sharma, "Improved electronic stethoscope".

719/Del/83. R. Goodwin International Limited, "Agitating particulate solids". (October 28, 1982).

29th October, 1983

720/Del/83. Energy Conversion Devices, Inc., "Process gas introduction, confinement and evacuation system for glow discharge deposition apparatus".

721/Del/83. Energy Conversion Devices, Inc., "System and method for eliminating short circuit current paths in photovoltaic devices".

722/Del/83. Energy Conversion Devices, Inc., "System and method for eliminating short and latent short circuit current paths in photovoltaic devices".

723/Del/83. Energy Conversion Devices, Inc., "Method and apparatus for making layered amorphous semiconductor alloys using microwave energy".

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

7th November, 1983

219/Mas/83. Techmechtron Private Limited. An electro-mechanical device for changing the relationship of movement between the driver's acceleration and the power controlling lever in a motor vehicle.

220/Mas/83. K. S. Ananda. Improvement in design of tri-cycle.

10th November, 1983

221/Mas/83. V. Desikan. Fly opening for legwear apparels.

222/Mas/83. J. Muthukulathil. Areca dehusking machine.

16th November, 1983

223/Mas/83. R. L. Perumal. Level indicator cum Signaller Device.

17th November, 1983

224/Mas/83. Dr. J. Thaikkattil. Improvements in or relating to electric lamps.

18th November, 1983

225/Mas/83. Indian Institute of Science. A logarithmic notch orifice.

226/Mas/83. Indian Institute of Science. A process for the preparation of carbon electrode for oxygen reduction.

19th November, 1983

227/Mas/83. Mrs. A. Mathew. Manufacture of water & fluid filter and chemical cleaner.

## ALTERATION OF DATE

152358

(63/Del/82) Ante dated to 3rd April, 1978.

## COMPLETE SPECIFICATION ACCEPTED

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CLASS 29 D.

152329.

Int. Cl. G 06 f 3/00.

SELF-CONTAINED RELOCATABLE MEMORY SUB-SYSTEM.

Applicants: BURROUGHS CORPORATION OF BURROUGHS PLACES, DETROIT, MICHIGAN, 48232, UNITED STATES OF AMERICA.

Inventors: DANIEL PETER DROGICHEN.

Application No. 483/Cal/79 filed May 9, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A self-contained relocatable memory subsystem comprising:

an addressable memory;

a plurality of base registers,

a plurality of gating means each of said gating means connected to one of said plurality of base registers, each of said gating means for gating the contents of its connected base register;

decodes means connected between said addressable memory and each of said plurality of gating means and responsive to data patterns from said addressable memory, for selectively activating one of said plurality of gating means;

OR network means connected to said plurality of gating means for transmitting the output of said activated gating means; and

an adder connected to said addressable memory and said OR network means.

(Compl. specn. 28 pages. Drgs. 2 sheets).

CLASS 194 C<sub>2</sub>b.

152330.

Int. Cl. G 08 b 5/00, G 08 c 9/00.

A TOUCH PANEL DISPLAY SYSTEM.

Applicants: BURROUGHS CORPORATION OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Inventors: GEORGE ERNEST HOLZ.

Application No. 521/Cal/79 filed May 18, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A touch display system comprising a display device for displaying information, a touch panel in operative relation with said display device, said touch panel including:

1. an insulating curved support plate having an inner surface and an outer surface.

2. an array of rows and columns of first conductive areas on the inner surface of said support plate, each row of said first conductive areas being connected by a row conductor to a row terminal,

3. an array of rows and columns of second conductive areas on the outer surface of said support plate, each second area overlying a first area and being capacitively coupled thereto, each column of said second conductive areas being connected by a column conductor to a column terminal,

electronic circuit means coupled to said touch panel including first means coupled to said column conductors for applying a strobe signal to each in turn and continuously,

second means coupled to each row conductor for receiving an output signal when one of said second conductive areas is touched by an operator,

third means for generating coordinate information from said output signal, and

fourth means for coupling said coordinate information to a display system wherein information is stored for display on said display device.

(Compl. specn. 11 pages. Drgs. 4 sheets).

CLASS 131 C, 168 G.

152331.

Int. Cl. B 06 b 1/00, G 01 v 1/00.

MOBILE DEVICE FOR GENERATING ACOUSTIC SHEAR WAVES.

Applicants: INSTITUT FRANCAIS DU PETROLE OF 4, AVENUE DE BOIS—PREAU 92 502 RUEIL—MALMAISON (FRANCE).

Inventors: 1. PIERRE-CLAUDE LAYOTTE AND 2. ANDRÉ JAMES.

Application No. 701/Cal/79 filed July 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A mobile device for generating acoustic shear waves in the earth comprising a target-member having a coupling surface with the earth, a mass for striking the target-member when the latter is coupled with the earth and means for imparting to the mass a velocity having a component parallel to the coupling surface, characterized in that it comprises means co-operating with a suction system to fixedly couple the target-member with the earth intermittently.

(Compl. specn. 6 pages. Drg. 1 sheet).

CLASS 31 C.

152332.

Int. Cl. H 01 L 15/00.

LIGHT ACTIVATED SEMICONDUCTOR SWITCHES.

Applicants: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDER, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. LEWIS ROY LOWRY JR. AND 2. PAUL GEORGE McMULLIN.

Application No. 746/Cal/79 filed July 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A light activated semiconductor switch comprising:

(a) a semiconductor wafer having cathode—emitter, cathode-base, anode-base and anode-emitter regions;

(b) anode and cathode electrodes affixed to said anode and cathode emitter regions respectively;

(c) a plurality of target areas on said cathode emitter regions; and

(d) a plurality of light transmitting conduits, each conduit having two end portions, one end portion being adapted to be coupled to light trigger source, and the other end portion overlying one of said plurality of target areas.

(Compl. specn. 22 pages. Drgs. 4 sheets).

CLASS 39 C, & 40 A<sub>1</sub>.

152333.

Int. Cl. B 01 j 1/00, C 01 b 21/00.

A PROCESS FOR CATALYTIC SYNTHESIS OF AMMONIA FROM A GASEOUS MIXTURE INCLUDING PROCESS FOR THE SELECTIVE OXIDATION OF CARBON MONOXIDE PRESENT IN A GASEOUS MIXTURE.

Applicants: ENGELHARD MINERALS & CHEMICALS CORPORATION OF 70 WOOD AVENUE SOUTH, METRO PARK PLAZA, ISELIN, NEW JERSEY, 08830, U.S.A.

Inventors: 1. JOHN C. BONACCI, 2. THOMAS G. OTCHY AND 3. THOMAS ACKERMAN.

Application No. 739/Cal/79 filed July 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims.

A process for catalytic synthesis of ammonia from a gaseous mixture including process for the selective oxidation of carbon monoxide present in a gaseous mixture obtained by steam reforming a normally gaseous hydrocarbon or vaporized naphtha in a steam reforming reaction zone into which a gaseous stream containing oxygen is normally introduced at a preselected rate, and shift converting the reforming reaction zone effluent, said gaseous mixture being at an elevated temperature substantially above 200°C and containing hydrogen and nitrogen in approximately stoichiometric proportion for the production of ammonia, said process comprising :

(a) cooling said gaseous mixture to a temperature in the range from 20°C to 200°C to condense water vapor therefrom;

(b) removing resulting condensed water from the cooled gaseous mixture; characterized in that

(c) introducing said cooled gaseous mixture into a selective oxidation reaction zone containing a conventional catalyst effective for the selective oxidation of carbon monoxide to carbon dioxide in the presence of hydrogen;

(d) diverting a minor portion of said gaseous stream containing oxygen into said selective oxidation reaction zone, thereby reducing the rate of oxygen introduced into said steam reforming zone to less than the normally preselected rate and providing diverted oxygen to said selective oxidation reaction zone;

(e) introducing supplemental oxygen into said selective oxidation reaction zone, said diverted and supplemental oxygen oxidizing carbon monoxide to carbon dioxide in contact with said selective oxidation catalyst;

(f) withdrawing from said selective oxidation reaction zone the resulting treated gaseous mixture which now has a reduced carbon monoxide content and comprises nitrogen and hydrogen and carbon dioxide;

(g) subjecting the gaseous mixture withdrawn from said selective oxidation reaction zone to treatment for the selective removal of carbon dioxide therefrom by conventional method; and

(h) passing the treated gaseous mixture from step (g) through a methanation zone which now has a reduced carbon monoxide and carbon dioxide content and comprises nitrogen and hydrogen, into an ammonia conversion zone.

(Compl. specn. 49 pages. Drgs. 5 pages).

CLASS 113 C.

152334.

Int. Cl. E 21 f 17/18.

APPARATUS FOR DETECTION AND SIGNALLING THE PRESENCE OF A DANGEROUS GAS IN AN ATMOSPHERE.

Applicants : OLDHAM FRANCE S.A. OF RUE ALEXANDER FLEMING 62002 ARRAS CEDEX, FRANCE.

Inventors : GAUTIER ALAIN LOUIS.

Application No. 781/Cal/79 filed July 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

An apparatus for detecting and signalling the presence of a dangerous gas in an atmosphere, comprising means for detecting said gas and means for signalling when the content of the gas exceeds a predetermined level which are disposed in a common housing & connect to a separate supply, wherein said common housing is a housing of a helmet lamp and said detecting means and said signalling means are connected to said separate supply by way of a double-wire cable.

(Compl. specn. 11 pages. Drgs. 2 sheets).

## CLASS 89.

152335.

Int. Cl. G 01 b 7/00.

## DISPLACEMENT TRANSDUCER.

Applicants : LUCAS INDUSTRIES LIMITED OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventors : ALEC HARRY SEILLY.

Application No. 984/Cal/79 filed September 21, 1979.

Convention Date : 28th September, 1978 (38586/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A displacement transducer comprising a former of non-magnetic and non-conductive material, winding means carried on said former, a core member slidable within said former, said core member in use being connected to or forming part of a member the displacement of which is to be measured, said core member being formed from electrically conductive non-magnetisable material and said winding means comprising first and second interengaged helical windings each having at least three turns with the turns of each winding being in side by side relationship, the windings being interconnected such that the current flow in one winding is opposite to that in the other winding, said windings in use being supplied with alternating current such that eddy currents are induced in the portion of the core member which lies within the former, the inductance of the winding means being dependent due to the eddy currents, on the position of the core member within the former.

(Compl. specn. 5 pages. Drg. 1 sheet).

CLASS 57 B, 151 E.

152336.

Int. Cl. E 05 d 1/00.

MEANS FOR TYING TOGETHER TUBES IN A SUPER-HEATER PLATEN ASSEMBLY.

Applicants : COMBUSTION ENGINEERING, INC OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : 1. GLENN MEREDITH PERRY AND 2. ROBERT PATTON SULLIVAN.

Application No. 1054/Cal/79 filed October 10, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Means for tying together tubes in a super-heater platen assembly consisting of :

a. a first tube;

b. a second tube supported in tangential relationship to said first tube so as to define an area of relative tangential engagement between said first and second tubes; wherein the tie means operable for tying together said first and second tubes include a first pair of tie members and a second pair of the members, first means for supporting said first pair of tie members in spaced relation relative to each other on said first tube, second means for supporting said second pair of tie members in spaced relation relative to each other on said second tube, each of said first pair of tie members having a portion thereof projecting inwardly relative to the area of relative tangential engagement between said first and second tubes, each of said second pair of the members having a portion thereof projecting outwardly relative to the area of relative tangential engagement between said first and second tubes, said inwardly projecting portions of said first pair of the members being supported in sliding engagement with said outwardly projecting portions of said second pair of the members when said first tube and said second tube

bear a tangential relationship to each other, the interengagement of said inwardly projecting portions of said first pair of tie members with said outwardly projecting portions of said second pair of tie members being operative to tie together said first and second tubes.

(Compl. specn. 18 pages. Drgs. 1 sheet).

CLASS 116 C.

152337.

Int. Cl. B 65 g 45/00.

CONVEYOR BELT CLEANING DEVICE.

Applicants : SALGAR SUPPLIES LIMITED OF 24 EXCHANGE STREET, RETFORD, NOTTINGHAMSHIRE DN22 6DT, ENGLAND.

Inventors : RONALD BOOTH RHODES.

Application No. 1087/Cal/79 filed October 18, 1979.

Convention dated 20th October, 1978 (41356/78) and 11th September, 1979 (31434/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A conveyor belt cleaning device comprising an elongate scraper element one longitudinal edge of which, in use of the device, makes scraping contact with a surface of a conveyor belt to be cleaned, the scraper element having a longitudinally extending surface portion in contact with a flexible-walled container the interior of which is pressurised, in use of the device, to maintain the scraper element in contact with the conveyor belt surface to be cleaned, a housing enclosing the flexible-walled container and having a longitudinal slot in which the said scraper element is slidable, and lateral support means secured to the housing and extending longitudinally on opposite sides of the slot to give lateral support to the scraper element externally of the housing.

(Compl. specn. 16 pages. Drgs. 3 sheets).

CLASS 145 E<sub>2</sub>.

152338.

Int. Cl. D 21 c 3/00.

PROCESS FOR THE PRODUCTION OF ALPHA-CELLULOSE POWDER.

Applicants : INDIAN OXYGEN LIMITED OF P 34 TARATALA ROAD, CALCUTTA-700053, INDIA.

Inventors : BHOJA LAL SEN.

Application No. 1277/Cal/79 filed December 7, 1979.

Complete Specification left December 6, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the production of alpha cellulose powder containing 15—30% of beta and gamma cellulose which process comprises the steps of crushing dried and chipped jute stalk before soaking in water containing 0.1—0.5% of urea, digesting said soaked jute stalk with a cooking liquor as herein described in a pressure digester to make pulp and filtering, subjecting the filtered and washed pulp in a single stage chlorination in a known manner using 95% of the required amount of chlorine, washing the bleached pulp with hot water until it is free from chloride, agitating the pulp with 1% caustic soda solution at 80 to 90°C for 1 hour to retain part of beta and gamma cellulose and to remove degraded cellulosic products, treating the pulp with water or a weak acid to remove alkali, subjecting the pulp so obtained to bleaching action until it become white, filtering, washing and agitating said pulp with a weak acid to break the lump from the pulp so

as to control the fibrous structure of said pulp and finally filtering, washing and drying the treated pulp before grinding it in micro-pulveriser.

Prov. Specn. 6 Pages.

(Compl. Specn. 9 pages. Drgs. Nil.

CLASS 123, & 164 C.

152339.

Int. Cl. C 01 c/00; C 02 c 1/00; C 05 f 3/00, 9/00.

METHOD AND APPARATUS FOR TREATING WASTE ORGANIC MATERIALS TO OBTAIN PHOSPHATE CONTAINING CONCENTRATE OF ORGANIC COMPOUNDS TO BE USED AS FERTILIZER OR FODDER.

Applicants : CESKOSLOVENSKA AKADEMIE VED OF PRAHA, CZECHOSLOVAKIA.

Inventors : JAROSLAV KRISTOUFEK.

Application No. 1323/Cal/79 filed December 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method for treating waste organic material as herein defined to obtain phosphate containing concentrate of organic compounds to be used as fertilizer or fodder from a liquid component obtained after anaerobic digestion of said waste organic compounds which comprises :

- heating the liquid component to a boiling temperature;
- subjecting the heated liquid component to a rectification distillation whereby to develop gaseous fractions as ammonia, carbon dioxide and water and to retain a tail fraction;
- isolating the gaseous fractions separately or as compounds formed by their chemical reaction as ammonium carbonate and ammonium water and the tail fraction with the residual content of less than 250 mg NH<sub>3</sub> bonded as ammonium salts thereto per 1 kg of the tail fraction;
- separating phosphate containing concentrate and clear water, from the tail fraction; and
- neutralizing the tail product of distillation with an equivalent amount of lime upto 29 g CaO per 1 kg with the simultaneous draining of residual ammonia, thereafter carbonizing by carbon dioxide and the alkalinized product of the final alkalinity value of 0.01 to 1.5 g CaO per 1 kg, and then separating in a decanter the valuable product mechanically in the form of organo-phosphato-lime concentrate and clear water.

(Compl. specn. 14 pages. Drg. 1 sheet).

CLASS 65 B<sub>2</sub>.

152340.

Int. Cl. H 01 F 27/24.

MAGNETIC CORE STRUCTURE FOR ELECTRICAL INDUCTIVE APPARATUS.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : ANGELO ANDREW DELAURENTIS.

Application No. 1329/Cal/79 filed December 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A magnetic core structure for electrical inductive apparatus comprising a plurality of stacked groups of layers of metallic laminations, each of which groups includes a plurality of said layers, and each of which layers includes first and second outer leg laminations and an inner leg lamination, each having first and second ends, and first and second yoke laminations, forming a magnetic core having said outer and inner leg laminations connected by said yoke laminations and a plurality of outer and associated inner corners, said yoke and said leg laminations having their ends cut diagonally to provide a closed magnetic circuit having diagonal joints between adjoining ends of said yoke and leg laminations, characterized in that the length dimensions of said outer and inner leg laminations and said first and second yoke laminations progressively vary in opposite directions from layer to layer within each group, while the respective midpoints of each leg and yoke lamination are aligned to offset said diagonally cut ends of said leg and yoke laminations from layer to layer in a stepped pattern that progresses at least three steps in one direction, the relative locations of said leg and yoke laminations in the direction of their diagonal cut ends being selected to divide the voids formed at said inner corners of said magnetic core by the intersection of said leg and yoke laminations uniformly between said leg and yoke laminations in each group of layers of laminations.

(Compl. specn. 15 pages, Drgs. 2 sheets).

CLASS 62 C<sub>1</sub>, 208.

152341.

Int. Cl. C 09 b 67/00, C 09 d 11/02.

## A COMPOSITION OF A DISPERSE DYESTUFF.

Applicants : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KONRAD OPITZ, 2. MAX GROBMANN, 3. HUBERT KRUSE, 4. MANFRED SCHNEIDER AND 5. HEINZ UHRG.

Application No. 37/Cal/80 filed January 10, 1980.

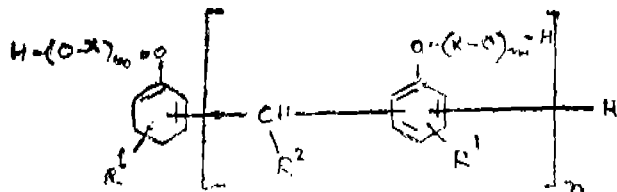
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A composition of a disperse dyestuff containing referred to the weight,

5 to 90% of a finely dispersed conventional disperse dyestuff,

2 to 40% of watersoluble oxalkylate of the formula (1)



of the accompanying drawings, wherein R<sup>1</sup> is straight-chain or branched alkyl of 1 to 18 carbon atoms,

R<sup>2</sup> is hydrogen or straight-chain or branched alkyl of 1 to 18 carbon atoms, X is ethylene and/or propylene, m is number of 6 to 100 and n is a number of 1 to 12.

0 to 30% of usual anionic dispersants and 0 to 70% of water and/or usual adjuvants.

(Comp. Specn. 23 pages, Drg. 1 sheet).

CLASS 129 G &amp; O.

152342.

Int. Cl. B 21 d 22/02.

## A METHOD AND TOOL FOR PRODUCING A BUSHING STRUCTURE HAVING A POLYGONAL FLANGE.

Applicants : KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V. OF AMSTERDAMSEWEG 206, 1182 HL AMSTELVVEN, THE NETHERLANDS.

Inventors : FRANS ARNOLD WILLEM TASSERON.

Application No. 98/Cal/80 filed January 28, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

## 3 Claims.

A method for producing a bushing structure having a polygonal flange characterized by initially forming the flange of the bushing structure at an outer diameter substantially equalling the diameter of the inscribed circle of the polygon to be made and subsequently cold working the material of the flange at the location of the angles of the polygon to be made by means of a tool acting transversally on the plane of the flange in order to impart a forced outward flow to the material to an extent that is the largest at the location of the angles and decreases in the direction of mid points lying between said angles.

(Compl. specn. 6 pages Drg. 1 sheet).

CLASS 32 F<sub>3</sub> C.

152343.

Int. Cl. C 07 c 31/08.

## A METHOD FOR PRODUCING ETHANOL BY FERMENTATION.

Applicants : ALFA-LAVAL AKTIEBOLAG OF POST FACK, S-147 00 TUMBA, SWEDEN.

Inventors : 1. CONNY ROLAND THORSSON, AND 2. INDREK JAAN VIIRA.

Application No. 108/Cal/80 filed January 29, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A method for producing ethanol by fermentation of a substrate, containing carbohydrate in at least one fermentor which comprises separating a flow of fermenting liquor by centrifugal separation into at least one yeast concentrate flow and one yeast-free flow, recirculating said yeast concentrate flow into the fermentor, separating said yeast-free flow by distillation into two flows, one enriched in ethanol and the other a residual flow, part of said residual flow being recirculated to the fermentor, characterised by feeding said yeast-free flow to a simple evaporator unit, where it is separated in one first vapour flow, enriched in ethanol, and into one first liquid bottom flow, feeding said ethanol to a plant for the production of the desired ethanol quality and recirculating a substantial part of said first liquid bottom flow to the fermentor, and feeding the remainder part of said first liquid bottom flow to a stripping unit for separating this part, into a second vapour flow enriched in ethanol, and into a second liquid bottom flow, depleted of ethanol.

(Compl. specn. 14 pages Dgs. 5 sheets).

CLASS 55 F, 128 F.

152344.

Int. Cl. A 61 j 1/00, 3/00.

## A PROCESS FOR PREPARING A DEVICE ADAPTED FOR VAGINAL OR RECTAL ADMINISTRATION TO A MAMAL OF A DRUG.

Applicants : THE UPJOHN COMPANY OF 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN, UNITED STATES OF AMERICA. RICHARD WILLIAM BAKER OF 64485 REDMOND-BEND HIGHWAY, BEND, OREGON, UNITED STATES OF AMERICA AND JAMES WALTER AYRES OF 2420 NORTHWEST 11TH STREET, CORVALLIS, OREGON, UNITED STATES OF AMERICA.

Inventors : 1. THEODORE JONAS ROSEMAN, AND  
2. OSMER SIDNEY CARPENTER.

Application No. 263/Cal/80 filed March 6, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 1 Claim.

A process for preparing a device adapted for a single and rate-controlled vaginal or rectal administration to a mammal of a therapeutic amount of a SAP (Systemically active pharmaceutical) such as herein described which process comprises fabricating in a manner such as herein described :—

(1) a flexible polymeric membrane (DBM) adapted to contain said SAP and characterized by :

(a) a  $D_{DBM}$  (diffusion coefficient of said DBM with respect of said LAP) and an  $S_{DBM}$  (solubility in said DBM of said SAP);

(b) an SA (Surface area) of said DBM sufficiently great such that the RF (release flux of said SAP released from said device), which RF is the quotient which is said RR divided by said SA, is substantially less than the absorption rate per unit area of said SAP by the rectal or vaginal epithelial tissues of said mammal in contact with said device during said administration; and

(c) an essentially uniform  $T_{DBM}$  (thickness of said DBM) and a  $C_{DBM}$  (initial concentration of said LAP in said device), which  $C_{DBM}$  is the quotient which is the amount of said SAP divided by the volume of said DBM; (2) A flexible, polymeric RCD (rate controlling membrane), being laminated onto a first surface of said DBM and being substantially coextensive therewith, and characterized by :

(a) an  $S_{RCM}$  (solubility in said RCM of said LAP) and an essentially uniform  $T_{RCM}$  (thickness of said RCM); and

(b)  $D_{RCM}$  (diffusion coefficient of said RCM with respect to said SAP), such that the  $R_{RCM}$  (resistance of said RCM), which  $R_{RCM}$  is the quotient which is said  $T_{RCM}$  divided by the products of (i) K (partition coefficient said DBM and RCM), which is the quotient which is said  $S_{DBM}$  divided by said  $S_{RCM}$  and (ii) said  $D_{RCM}$ , is at least very much greater than the  $R_{DBM}$  (resistance of said DBM), which  $R_{DBM}$  is the quotient which is said  $T_{DBM}$  divided by the said  $D_{DBM}$  : and

(3) a physiologically inert, resilient, and water-insoluble support means, having the second surface of said DBM laminally affixed to at least a portion of the surface thereof; being adapted, contoured, and dimensioned for accommodation of the entirety of said DBM on the surface thereof and for easy and comfortable rectal or vaginal insertion and withdrawal of said device being essentially non-absorptive of said SAP; and being of substantially non-concave construction, whereby the surface of said device upon insertion is in essentially complete and intimate contact with rectal or vaginal epithelial tissues and associated secretions; wherein (a) said  $T_{RCM}$  being approximately

$$= \frac{D_{CMX} S_{RCM}}{RF} \dots \dots \dots \text{Eq. 1}$$

wherein RF,  $D_{RCM}$  and  $S_{RCM}$  are as defined (b) a  $T_{50}$ , which is the time after TD for the RF to be reduced by 50 per cent, being approximately

$$(\ln 2) [P/(1-P)] \dots \dots \dots \text{Eq. 2}$$

wherein "(ln 2)" is the natural logarithm of 2 and wherein P is the ratio of the amount of SAP remaining in said device at TD to the initial amount of SAP in said device, said P being characterized by a preselected value less than 0.42; and

wherein TD is as defined above;

(c) said  $T_{DBM}$  being approximately

$$= [P/(1-P)] J(RF) (TD) / S_{DBM} - T_{RDM} / 2K \dots \dots \dots \text{Eq. 3}$$

wherein K, TD,  $T_{RCM}$ , RF, and P are as defined above;

(d) said  $C_{DBM}$  being approximately

$$= \frac{J(RT)}{(1-P) T_{DBM}} \dots \dots \dots \text{Eq. 4}$$

wherein P, RF, TD and  $T_{DBM}$  are as defined above.

(Compl. specn. 27 pages. Drg. 1 Sheet).

CLASS 40 F.

152345.

Int. Cl. B 65 g 53/00, B 01 j 9/18, F 28 c 3/16.

### IMPROVEMENT IN FLUIDIZED BED APPARATUS.

Applicants : CPC INTERNATIONAL INC. OF INTERNATIONAL PLAZA, ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors : 1. JAMES EDWARD JACKSON AND 2. ALBIN WILLIAM BLOMBERG.

Application No. 302/Cal/80 filed March 17, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 5 Claims.

Improvement in an apparatus for carrying out fluidization of starch comprising an elongate generally upstanding housing, said housing defining an upper chamber, an intermediate chamber and a lower chamber, a plurality of open ended tubes positioned inside the intermediate chamber, the open ends of each of said tubes communicating the interior of said tubes with said upper and lower chambers, respectively, the improvement comprising spacing means provided in said upper chamber, said spacing means having a plurality of tapered openings wherein said openings are conterminous on the upper side of said spacing means and spaced on the lower side of said spacing means, said openings on said lower side being in concentric communication with the open ends, of the said tubes in said upper chamber, thereby communicating the interior of said tubes with said upper chamber.

(Compl. specn. 11 pages. Drgs. 2 sheets).

CLASS 32 A. & F. b.

152346.

Int. Cl. C 07 c 63/34, C 09 b 27/00.

PROCESS FOR THE SEPARATION OF 2-HYDROXY-NAPHTHALENE-3-CARBOXYLIC ACID FROM THE REACTION MIXTURES OF ALKALI METAL SALTS OF 2-HYDROXYNAPHTHALENE AND CARBON DIOXIDE.

Applicants : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HEINRICH VOLK AND 2. THEODOR PAPENFUHS.

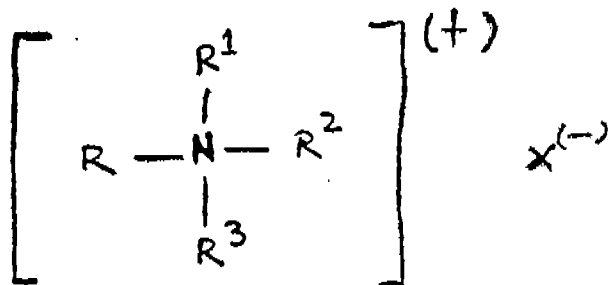
Application No. 303/Cal/80 filed March 17, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 5 Claims.

In a process for the separation and isolation of 2-hydroxynaphthalene-3-carboxylic acid from the reaction product of sodium salt of 2-hydroxynaphthalene and carbon dioxide in which the carboxylation melt is diluted with water and dissolved and in which the products formed in that carboxylation process are separated and isolated the improvement, comprises separating the alkali-soluble acid resins by means of a cationic surface-active compound of the formula (1)



of the accompanying drawings in which R, R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are identical or different from each other and each is an optionally substituted aliphatic radical, an aralkyl or aryl radical, two or three of the aliphatic radicals optionally forming a heterocyclic ring together with the nitrogen atom, with the proviso that the sum of the carbon atoms of the substituents R through R<sup>3</sup> are at least 8, and in which X(—) is the equivalent of an inorganic or organic acid.

(Compl. specn. 17 pages. Drg. 1 sheet).

CLASS 32 F.

152347.

Int. Cl. C 07 c 21/06.

IMPROVED PROCESS FOR RECOVERY OF VINYL CHLORIDE MONOMER FROM VENT GAS STREAM IN POLYVINYL CHLORIDE PLANT.

Applicants : THE B.F. GOODRICH COMPANY OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : JOHN EDWARD KLEIN.

Application No. 328/Cal/80 filed March 21, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A process for recovery of vinyl chloride monomer from a gas stream containing air admixed with vinyl chloride monomer, which stream originates in a polyvinyl chloride production plant and is normally vented therefrom to the atmosphere, which process comprises the steps of passing the gas stream before its venting to the atmosphere counter-current to a stream of absorbent solvent to absorb the vinyl chloride monomer in the solvent, stripping the solvent to remove the absorbed vinyl chloride monomer, recovering the stripped vinyl monomer and returning the solvent after stripping to the absorption step, the improvement which consists of using as the solvent a branched chain aliphatic hydrocarbon of 8 carbon atoms and composed predominately of 2, 2, 4-trimethyl pentane, whereby the concentration of vinyl chloride monomer in the gases vented to the atmosphere is reduced to below 5 parts per million.

(Compl. specn. 16 pages. Drg. 1 sheet).

CLASS 157 C.

152348.

Int. Cl. B 61 h 11/00.

TRACTION-VEHICLE-PROPULSION-SYSTEM WITH ELECTRICAL BRAKING MEANS.

Applicants : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. RONALD BARRY BAILEY AND 2. THOMAS DETLOR STITT.

Application No. 490/Cal/80 filed April 28, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 25 Claims.

A traction vehicle propulsion system having means for effecting electrical braking of a traction vehicle, the propulsion system having motoring and braking modes of operation, said propulsion system comprising a d-c traction motor that behaves as a generator during said braking mode of operation, said motor having an armature and a series field winding and said propulsion system further comprising a filter capacitor adapted to be coupled to a source of d-c electric power, a chopper, means for connecting said chopper in series with said armature and field windings across said capacitor when the propulsion system is operating in its motoring mode, cyclically operative means for normally producing periodic gating signals of relatively short predetermined duration, means responsive to said gating signals for alternately turning on and turning off said chopper and free wheeling rectifier means connected in circuit with said armature and series field winding to conduct motor current during intervals when said chopper is turned off, and comprising :

(a) means for commanding the motor to assume alternative motoring and braking states

(b) brake set up means operative in response to a motoring-to-braking state change of said command means for re-connecting the propulsion system to establish and armature current path comprising said field winding in series with first and second parallel branches, said first branch including said chopper and said second branch including said capacitor in series with said free wheeling rectifier means, and for reversing the polarity of the connection of said series field winding relative to said armature, said brake set up means being effective whenever said command means is in its braking state to maintain said armature current path and to maintain the reversed polarity connection of said field winding and armature.

(Compl. specn. 90 pages. Dgs. 11 sheets).

CLASS 94 G.

152349.

Int. Cl. B 65 g 1/00.

ARM-TYPE FEEDER WHEEL FOR UNLOADING SOLIDS FROM A STORAGE BIN.

Applicants & Inventors : LOTHER TESKE OF HEGELSTR. 15, 5000KOLN 90, WEST GERMANY.

Application No. 607/Cal/80 filed 22 May, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

An arm-type feeder wheel for unloading solids from a storage bin comprising :

a hub disk centered on and rotatable about an axis, having a pair of axially oppositely directed faces, and formed with a plurality of radially outwardly open, substantially angularly

equispaced, and axially throughgoing notches each having a pair of generally radially extending and angularly spaced edges each stepped at a shoulder;

respective feeder arms each having an outer and projecting radially from said disk at the respective notch and an inner end received in the respective notch and each formed with a pair of angularly oppositely projecting flanges engaging axially the respective shoulders; and

fasteners extending through said disk and arms at said flanges and shoulders for securing said arms on said disk.

(Compl. specn. 12 pages. Drg. 2 sheets).

CLASS 127 D, 16 0 D.

152350.

Int. Cl. B 62 d 25/00, F 16 h 1/00.

#### TRANSMISSION RATIO SELECTING MECHANISM.

Applicants : MASSEY-FERGUSON SERVICES N.C. OF ABRAHAM DE VEERSTRAAT 7A, CURACAO, NETHERLANDS ANTILLES.

Inventors : JEAN JACQUES LASOEN.

Application No. 834/Cal/80 filed July 22, 1980.

Convention date 23rd July, 1979 (25588/79), (255589/79) and 25590/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims.

A transmission ratio selecting mechanism including a ratio selector means, first and second ratio coupling members movable to couple associated gear wheels with first and second shafts respectively to select a number of ratios of an associated transmission, and linkage means for moving the ratio coupling members in response to movement of the ratio selector means, the linkage means including disconnecting means for disconnecting one of the ratio coupling members from the selector means during selection of at least one of the transmission ratios, the selecting mechanism being arranged so that for the selecting of said at least one ratio both the gear coupling members are initially moved axially of their respective shafts in synchronism in the same direction by the selector means so that one coupling member couples one of the associated gear wheels with one of the shafts thus completing the first part of the selection of said at least one ratio, the disconnecting means is then operated, and selection of said at least one ratio is completed by further movement of only the other coupling member axially of its respective shaft in the opposite direction in response to further movement of the selector means to couple another of the associated gear wheels with the other shaft, the selector means being arranged to return the ratio coupling member to synchronism on movement of the selector means to select another ratio.

(Compl. specn. 29 pages. Drgs. 20 sheets).

CLASS 196 A.

152351.

Int. Cl. F 04 d 29/34.

#### AN IMPROVED CEILING FAN.

Applicants : THE JAY ENGINEERING WORKS LIMITED OF 255-C ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 020, WEST BENGAL, INDIA.

Inventors : 1. TFI BHAN GUPTA AND 2. VINOD KUMAR CHHABRIA.

Application No. 1018/Cal/80 filed September 5, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

An improved ceiling fan which consists in providing a plurality of independent grooved surfaces along the periphery of the fan body, each groove provided for one fan blade to be secured on the body of the fan and securing the ends of fan blade directly to respective grooved surfaces, the contour or shape of each said grooved surface on the fan body matching with the contour of the inner end of the respective fan blade, the blades being secured in the grooved surfaces provided on the fan body by screws and lime.

(Compl. specn. 6 pages. Drgs. 2 sheets).

CLASS 172 D.

152352.

Int. Cl. B 01 h 3/16.

#### APPARATUS FOR BRAKING AND POSITIONING A SPINNING OR TWISTING SPINDLE.

Applicants : PALITEX PROJECT-COMPANY GMBH OF WEESERWEG 8, 4150 KREFELD 1, WEST GERMANY.

Inventors : SIEGFRIED INGER.

Application No. 117/Cal/80 filed October 1, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims.

An apparatus for braking and positioning a spinning or twisting spindle with the spindle rotor in a specific position, including a spindle brake engageable with a rotary part of the spindle and positioning means separate from said brake, characterised in that the positioning means comprises an additional braking surface extending over part of a periphery of a rotary part of the spindle, up to which an additional brake shoe or brake member can be moved.

(Compl. specn. 19 pages. Drgs. 5 sheets).

CLASS 83 C<sub>1</sub>.

152353.

Int. Cl. C 10 e 5/00, 5/06.

#### PROCESS FOR HOTBRIQUETTING PARTICULATE ORGANIC SOLID MATERIALS.

Applicants : VOEST-ALPINE AKTIENGESellschaft OF A-1011 VIENNA, FRIEND-RICHSTRASSE 4, AUSTRIA.

Inventors : ALOIS JANUSCH.

Application No. 1224/Cal/80 filed October 28, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

Process for hot briquetting particulate organic solid materials selected from the group consisting of brown coal and bituminous coal, in which the organic solid materials are, under the condition of a drying process, heated to temperatures exceeding 160°C under super-atmospheric pressure by means of hot water and/or steam, respectively, and are, after discharging and separating the steam, immediately subsequently pressed to briquettes while maintaining a temperature exceeding 160°C, characterized in that the organic solid materials are, after discharging and before being pressed to briquettes, exposed to sub-atmospheric pressure thereby separating the steam by sucking off the steam.

(Compl. specn. 11 pages. Drgs. 1 sheet).

CLASS 55 E.

152354.

Int. Cl. A 61 k 17/16.

PROCESS FOR THE PREPARATION OF PHARMACEUTICAL COMPOSITIONS CONTAINING A CORTICOSTEROID.

Applicants : ITALFARMACA S.P.A. OF FULVIO TESTI, 330, 201026 MILANO, ITALY.

Inventors : 1. GIANCARLO SPOROLETTI AND 2. ALESSANDRO BAGLIONI.

Application No. 1368/Cal/80 filed December 11, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A process for the preparation of a pharmaceutical composition characterised by admixing in a known manner 6- $\alpha$ -methylprednisolone-21-hemisuccinate and an ester of L-arginine with an aliphatic alcohol preferably in a molar ratio of 1 : 1.

(Compl. specn. 7 pages. Drg. 1 sheet).

CLASS 50 E.

152355.

Int. Cl. F 25 b 31/02.

HERMETIC REFRIGERANT COMPRESSOR.

Applicants : McQUAY-PERFEX, INC. OF 13600 INDUSTRIAL PARK BLVD., MINNEAPOLIS, MINNESOTA 55441, UNITED STATES OF AMERICA.

Inventors : PAUL GOODMIN THAYER.

Application No. 1402/Cal/80 filed December 18, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A hermetic refrigerant compressor comprising a hermetic shell having a motor compartment in its upper portion and a crankcase compartment with an oil sump in its lower portion; a motor in said motor compartment driving a vertical crankshaft which extends down into said lower portion a plurality of cylinders arranged radially around the lower portion of said crankshaft and driven thereby, each cylinder having suction valve means and discharge valve means; a cylinder head for each cylinder, which cylinder head defines a discharge pressure space radially upwardly of said discharge valve means and in communication with the compression space of its cylinder only through said discharge valve means; and drain valve means disposed in the bottom portion of the cylinder head of at least the lowermost cylinder is such manner as to enable, when open, any liquid accumulated in the discharge pressure space thereof to drain from the latter into said oil sump, said drain valve means being adapted to assume a closed position when the pressure in said discharge pressure space exceeds a predetermined value normally attained upon starting of the compressor, and to assume an open position when said pressure drops below said predetermined value after stopping of the compressor.

(Compl. specn. 9 pages. Drg. 1 sheet).

CLASS 131 A.

152356.

Int. Cl. E 21 b 33/124, 33/134.

DEVICE FOR FEEDING PACKING AND GROUTING MATERIALS TO AND THEIR PROCESSING WITHIN A PRE-SET INTERVAL OF A WELL.

Applicants : 1. PROIZVODSTVENNOE GEOLOGICHESKOE OBIEDINENIE TSENTRAL'NYKH RAIONOV "TSENTRGEOLOGIA", OF 2 ROSCHINSKAYA ULITS, 10, MOSCOW, USSR; AND

2. PROIZVODSTVENNOE GEOLOGICHESKOE OBIEDINENIE SEVERO-ZAFAD-NYKH RAIONOV "SEVZAPGEOLOGIA" OF LENINGRAD, ULITS, GERTSENA, 59 USSR.

Inventors : 1. NIKOLAI KONSTANTINOVICH LIPATOV, 2. GENNALY VASILIEVICH PATRUSHEV, 3. RUBEN ARMENOVICH TATEVOSYAN, 4. ARIAN KIKHAILOVICH YAKOVLEV, 5. LEV ALEXANDROVICH AND 6. BORIS JURIEVICH PYAKKONEN.

Application No. 339/Cal/81 filed March 27, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A device for drilling well and more particularly for feeding packing and grouting materials in the well comprising a transfer container core pipe which is rigidly coupled through series arranged stop and cylinder to a string of drill pipes and which is filled with a material being processed placed in waterproof envelopes for movement along the container pipe, top part closed by a plug and a splitter knife and in its top part a main piston with a piston rod installed over the waterproof envelopes for movement along the container pipe a lock being secured to the piston rod and being engageable with the stop, and an auxiliary piston installed in the cylinder for movement therealong and hydraulically coupled to the string of drill pipes, the lock being installed on the piston rod at a distance from the main piston ensuring its locking in the lowermost position immediately over the adjacent to the splitter knife.

(Compl. specn. 11 pages. Drg. 1 sheet).

CLASS 28 C, 85 I.

152357.

Int. Cl. B 05 b 15/06, F 27 b 7/20.

NOZZLE BLOCK FOR ROTARY KILNS.

Applicants : METALLGESELLSCHAFT A.G. OF 16 FRANKFURT A.M. REUTERWEG, WEST GERMANY.

Inventors : 1. HELMUT ERNEST, 2. KARL-HEINZ GEHRHARDT, 3. LEOPOLD UHL AND 4. HARTMUT WOLERT.

Application No. 1351/Cal/81 filed November 28, 1981.

Appropriate Office for Opposition Proceedings (Rule, 4 Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A nozzle block for rotary kilns, comprising a mounting tube (3), which extends through and is connected to the shell (1) of the rotary kiln, a gas feed duct (4) secured to the side of the mounting tube (3), a cover (5) detachably secured to the outer end of the mounting tube (3), a nozzle tube (6), which extends in the mounting tube (3) and through the kiln lining (2), and an orifice plate (8) in the lower portion of the nozzle tube (6), characterized in that the nozzle tube (6) defines a clearance with the mounting tube (3) throughout the length of the body of the latter and defines a clearance with the furnace lining (2) and is detachably connected at its outer end to the mounting tube (3), the nozzle tube (6) is provided at its inner end with an abutment surface (7), which is engaged by the orifice plate (8), which defines a clearance with the body of the nozzle tube (6), and the nozzle tube (6) contains a retaining tube (9), and the nozzle tube (6) contains a retaining tube (9), which defines a clearance with the nozzle tube (6) and with the orifice plate (8) which lies on the abutment surface (7).

(Compl. specn. 10 pages. Drg. 1 sheet).

CLASS 154 G.

152358.

Int. Cl. B 411 13/00, 21/00.

AN ACCESS COVER FOR A STENCIL DUPLICATOR.

Applicants : GESTETNER LIMITED OF FAWLEY ROAD, TOTTENHAM, LONDON N 17 9LT. ENGLAND.

Inventors : ALBERT GEORGE RONALD GATES.

Application No. 63/Del/83 filed January 28, 1982.

Convention dated 29th April, 1977(18132/77) U.K.

Division of application No. 244/Del/79 filed 3rd April, 1978.

Appropriate Office for Opposition Proceedings (Rule, 4 Patents Rules, 1972) Patent Office, Branch, Delhi.

### 9 Claims.

An access cover for a stencil duplicator, having an aperture through which a stencil can be inserted during loading onto the rotatable support of a stencil duplicator; at least one stop member for engagement by a rectilinear leading edge of a stencil heading strip to define a predetermined position of said heading strip; and guide members pivotally attached to said access cover for movement relative to the access cover and each mounted along a hinge axis parallel to the location of said leading edge of the stencil heading strip in said predetermined position, said guide members being arranged to pivot between a first position in which in use of the cover the leading edge of said stencil heading strip is registered in said predetermined position and disposed close to the inside surface of said access cover, and a second position in which said stencil heading strip is held further from the inside surface of said access cover, said guide members being arranged so that in said second position the guidemembers define a nip which is narrower than the corresponding nip when in said first position.

(Compl. specn. 20 pages. Drgs. 3 sheets).

### OPPOSITION PROCEEDINGS

#### (1)

An opposition has been entered by the Director General Research Designs & Standards Organisation, Government of India, Ministry of Railways to the grant of a patent on application No. 151575 made by Franz Plasser Bahmbau-maschinen Industriegesellschaft M.B.H.

#### (2)

An opposition has been entered by Electro Photomax to the grant of a patent on application No. 151631 made The Raja Bahadur Motilal Poona Mills Limited.

### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the officer-in-charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, two rupees per copy :—

#### (1)

146130

#### (2)

146995

#### (3)

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#### (4)

148704

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145477 145478 145479 1454800 145482 145486 145487 145488  
145490 145491

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150421 150422 150423 150424 150425 150426 150427 150430

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150731 150732

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150945 150946 150947 150948 150950 150951 150952 150953  
150954 150955 150957 150958 150959 150960 150961 150962  
150963 150964 150968

## PATENTS SEALED

136984 150185 150219 150391 151066 151235 151244 151246  
151251 151252 151253 151256 151257 151258 151259 151261  
151264 151265 151266 151275 151277 151278 151279 151280  
151281 151282 151285

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

103503	}	Lakshmi Automatic Loom Works Limited.
122938		
135454		
133324		
137112		
131081		
136735		
147454		
142814		

## RENEWAL FEES PAID

118858 118912 118946 119048 119056 124357 124585 125022  
125068 129495 129620 129643 129686 133635 133819 133840  
133973 134013 134107 134151 134152 134457 134538 135518  
135620 136216 136508 136838 137027 137265 137552 137792  
138092 138093 138331 138387 138456 138550 138818 138862  
138883 138884 138885 139283 139600 139654 140212 140339  
140379 140659 140738 140988 141488 141524 141681 142132  
142228 142352 142831 143371 143486 143790 144044 144563  
144631 145173 145653 146074 146325 146386 146438 146541  
146637 146644 146668 146909 146967 147048 147697 147698  
147699 147700 148370 148405 148607 148692 148917 149248  
149551 149704 149799 149926 150087 150125 150212 150592  
150598 150614 150615 150629 150716 150742 150866 150867  
150938 150965

## RESTORATION PROCEEDINGS

## (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 128684 granted to Council of Scientific and Industrial Research for an invention relating to "a process for the manufacture of building bodies such as bricks, building blocks, roofing tiles and the like utilising fly ash, bottom ash of pulverised coal fired thermal Power Stations; ash from shales and washery rejects and/or sinks". The patent ceased on the 23rd October, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140827 granted to Societe National Des Petroles D'Aquitaine for an invention relating to "device for producing mechanical Waves". The patent ceased on the 27th Sept., 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140936 granted to Jerry Annaldo Steding for an invention relating to "improved method and apparatus for forming concrete piles". The patent ceased on the 2nd August, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 20th October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142565 granted to Josef Krings for an invention relating to "Sheeting-plate for trench sheeting". The patent ceased on the 21st October, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd September, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149411 granted to Suresh Jain for an invention relating to "an electrical dipper". The patent ceased on the 19th February, 1983 due to non-payment of renewal fees

within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149414 granted to Suresh Jain for an invention relating to "an electrical dipper". The patent ceased on the 15th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150160 granted to Sushil Chandra Srivastava for an invention relating to "fluid valve operative by pressure reflex action". The patent ceased on the 7th July, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 20th October, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th February, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 153499. M/s. Canara Industries, (a partnership firm duly registered under the partnership Act). "Halogen Lamp". 27th September, 1983.

Class. 1. No. 153095. Samarendra Kumar Sengupta, of 85/1B, Bank Plot, Calcutta-700031, State of West Bengal, India, an Indian national. "Reflecting Road Beacon". 13th May, 1983.

Class. 1. No. 153092. Ankur Sales Corporation (REGD.), 1900/120-121, Shri Ram Market, 1st Floor, Lal Kuan, Delhi-6 an Indian Partnership Firm. "Door Stopper". 12th May, 1983.

Class. 1. No. 153093. Ankur Sales Corporation (REGD.), 1900/120-121, Shri Ram Market, 1st Floor, Lal Kuan Delhi-6 an Indian Partnership Firm. "Pipe Bracket". 12th May, 1983.

Class. 3. No. 153157. Larsen & Toubro Limited, of L&T House, Ballard Estate, Bombay-400 038, Maharashtra, India, an Indian Company. "Thermal Overload Relay". 3rd June, 1983.

Class. 3. No. 153420. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, an Indian Partnership Firm. "Calendar". 2nd September, 1983.

Class. 3. No. 153059. Neosonic Electronics Private Limited, an Indian company with limited liability incorporated under the Companies Act, 1956, manufacturers and Traders, trading as Neosonic Electronics Private Limited having its registered office situated at Executive Centre, DBS Raheja Chambers, 213, Nariman Point, Bombay-400 021, Maharashtra India. "the container of a Radio". 29th April, 1983.

Class. 3. No. 153058. Neosonic Electronics Private Limited, an Indian company with limited liability incorporated under the Companies Act, 1956, manufacturers and Traders, trading as Neosonic Electronics Private Limited having its registered office situated at Executive Centre, DBS Raheja Chambers, 213, Nariman Point, Bombay-400 021, Maharashtra India. "the container of a Radio". 29th April, 1983.

Class. 3. No. 153343. Bansal Plastic Industries (REGD.), C-7 Industrial Area Wazirpur, Delhi-110052, Union Territory of Delhi, India, a partnership firm. "Toy Horse". 9th August, 1983.

Class. 3. No. 153445. E. S. Patanwala, (a registered partnership firm), of Patanwala Ind. Estate, I.B.S. Marg, Ghatkopar, Bombay-400086, Maharashtra, India. "Bottle". 7th September, 1983.

Class. 3. No. 153427. M/s. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra an Indian Partnership Firm. "Memo Pad". 2nd September, 1983.

Class. 3. No. 153429. M/s. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra an Indian Partnership Firm. "Card Box". 2nd September, 1983.

Class. 3. No. 153430. M/s. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra an Indian Partnership Firm. "Ash Tray". 2nd September, 1983.

Class 3. No. 153425. M/s. Asian Advertisers, 20 Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra an Indian Partnership Firm. "Torch". 2nd September, 1983.

Class. 3. No. 153126. Smt. Alka Dinkar Desai, an Indian Citizen Narayan peth, near LIC Building Pune-411 030, Maharashtra. "A Geyser". 25th May, 1983.

Class 5. No. 153515. Smt. Avi Jehangir Mody, an Indian National, trading as M. M. Industries, Hampton Court, Nathalal Parekh Marg, City of Bombay-400 005, State of Maharashtra, India. "Sticker". 29th September, 1983.

Class. 10. No. 153361. Canvas Shoe Company Pvt. Ltd., (an Indian Company) of Bharat Insurance Building, Horniman Circle, Bombay-400 001, State of Maharashtra, India. "A Footwear". 25th August, 1983.

*Extn. of Copyright for the Second period of five years.*

Nos. 147569, 150263

Class-1.

Nos. 152979, 148136, 146678, 141359, 141360

Class-3.

No. 148124

Class-4.

Nos. 141357, 141358

Class-10.

*Extn. of Copyright for the Third period of five years.*

Nos. 150263, 148719

Class-1.

No. 152979

Class-3.

No. 148124

Class-4.

SHANTI KUMAR,

*Controller General of Patents,  
Designs and Trade Marks.*

